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Biochemistry Abstracts: Part 2

Nucleic Acids

Volume 19 number 12

Annual Indexes to Volume 19 December 1989

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Nucleic Acids (ISSN 8756-7512) is published monthly for US \$495, outside U.S. \$555. 1989 by Cambridge Scientific Abstracts, Wisconsin Avenue, Bethesda, MD 20814. Second class postage paid at Bethesda. POSTMASTER: Send address changes to Nucleic Acids, Cambridge Scientific Abstracts, 7200 Wisconsin Avenue, Bethesda, MD 20814.

Cambridge Scientific
Biochemistry Abstracts: Part 2

Nucleic Acids

Volume 19 number 12

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ISSN 8756-7512



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Sakmann, B. 5090.
Sakano, E. 5364.
Sakanoue, Y. 1096.
Sakaoka, H. 6509.
Sakarellos-Dalitsiotis, M. 1923.
Sakarellos, C. 1923.
Sakamuro, N. 4430.
Sakata, T. 8349.
Sakikawa, T. 8434.
Sakimura, K. 6606.
Sakiyama, F. 2429.
Sakiyama, S. 3389, 3532.
Sakiyama, T. 706.
Sakmann, B. 5090.
Sakano, E. 5364.
Sakanoue, Y. 1096.
Sakaoka, H. 6509.
Sakarellos-Dalitsiotis, M. 1923.
Sakarellos, C. 1923.
Sakamuro, N. 4430.
Sakata, T. 8349.
Sakikawa, T. 8434.
Sakimura, K. 6606.
Sakiyama, F. 2429.
Sakiyama, S. 3389, 3532.
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Sakmann, B. 5090.
Sakano, E. 5364.
Sakanoue, Y. 1096.
Sakaoka, H. 6509.
Sakarellos-Dalitsiotis, M. 1923.
Sakarellos, C. 1923.
Sakamuro, N. 4430.
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Sakikawa, T. 8434.
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Schaff, D.A. 2750.
Schaffer, M.A. 10138.
Schaffer, P.A. 3175.
Schaffner, G. 3744, 4177.
Schaffner, W. 1986, 3744, 4396, 5075, 6008, 6977, 10981.
Scharer, H.U. 3779.
Schalekamp, M.P.A. 4933.
Schalkwijk, L.C. 9326, 9746.
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Schard, D. 4.
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Scharnhorst, C. 6371.
Schatten, G. 110.
Schatz, C. 3000.
Schatz, G. 2002, 6538.
Schatz, J.R. 1241.
Schatz, P.J. 9741.
Schauder, B. 5035.
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Schauber, M. 5985.
Schaus, N.A. 9777.
Schacter, J. 4490.
Schedi, P. 3476, 5477.
Schedlich, L.J. 3191.
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Scheel, D. 2466.
Scheide, G.A. 4195.
Scherer, U. 1845, 2633, 6167.
Scherer, J.B. 10838.
Scheets, K. 7352.
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Scheffner, M. 10966.
Scheid, M.P. 10358.
Schedecker, D. 9133.
Schederert, C. 4975.
Scheding, W. 4255.
Schein, P.S. 1882.
Scheiner, O. 4116, 10371.
Scheiner, P. 7058.
Scheiner, M.H. 2475.
Scheikman, P. 206, 8871.
Schell, J. 394, 627, 628, 2806, 3438, 3582, 3587, 3795, 4621, 5687, 6724, 7795, 8449, 8740, 9004, 9820, 10218.
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Schellhorn, H.E. 7642.
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Schena, M. 1597.
Schendel, F.J. 2018.
Schenk, B. 8986.
Schenk, P. 9599.
Schenks, J. 3352, 9262.
Scheraga, H.A. 1238, 10873.
Scherbaga, A. 2033.
Scherer, H. 4407.
Scherer, L. 8551.
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Schierm, P. 47, 9663.
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Schimming, S. 7444.
Schimpf-Weiland, G. 1898.
Schmazi, R.F. 5012, 7058, 9031, 10008.
Schmidle, D. C. 9040.
Schindler, D. 51.
Schindler, M. 7054.
Schindler, U. 5410, 9404.
Schindewolf, C. 2657.
Schinkel, A.H. 2877.
Schirer, E. 5528, 8332, 8335.
Schirm, S. 3744.
Schirmbeck, R. 1960.
Schirmer-Rahire, M. 5217, 10315.
Schlagman, S.L. 7317.
Schlapp, T. 9229.
Schlegel, H.G. 1893.
Schlegel, J. 6332.
Schlegel, R. 1135, 6027.
Schlegel, R.A. 7891.
Schliecher, M. 8060, 10283.
Schliecher, R. 1898.
Schlier, J. 9727.
Schlier, R.F. 4420, 6174, 9684.
Schlier, W.A. 5580.
Schliefer, K.H. 3417, 9324.
Schlier, A. 5333.
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Schomburg, U. 1885.
Schoen, E.A. 352, 2427, 8546, 10389.
Schoonbaum, C. 4461.
Schoneberg, G. 436, 3982.
Schoenberger, M.C. 7545.
Schonk, D. 9262.
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Schroeder, H.W. 379, 3326.
Schroeder, J. 5410, 6782, 9404.
Schroeder, M.-B. 1909.
Schroeder, S.A. 8030.
Schroeder, W. 5374.
Schroeder, W.T. 4076, 7724.
Schroeter, A. 5667.
Schroll, C.T. 5779.
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 nifLA gene promoters, transcription, *Klebsiella pneumoniae* 5150.
 nifT gene, nucleotide sequence, *Klebsiella pneumoniae* 5362.
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 nifG gene, rap gene, requirements RecA protein dependent DNA recombination, plasmids, *phage lambda* 3703.
 nifB gene promoters, nucleotide sequence, mutation analysis, *Escherichia coli* 6427.
 nisa gene, cloning, nucleotide sequence, nisin, peptide antibiotics, *Streptococcus lactis* 5382.
 nisin resistance, plasmid nNP40 replication origin, *Streptococcus lactis* diacetylactis 5687.
 nif-4 gene, cloning, gene expression, gene regulation, nitrate metabolism genes, *Neurospora crassa* 10779.
 nirX reductase, cDNA nucleotide sequence, nitrate regulation, *Arabidopsis thaliana* 8074.
 nitrate reductase NIA1 genes, cDNA nucleotide sequence, *Arabidopsis thaliana* 3375.
 nitrate reductase, nucleotide sequence, transcription, characterization, *Nicotiana tabacum* 10527.
 nitrilase bxn gene, cloning, gene expression, bromoxynil resistance, transgenic *Nicotiana tabacum* 4796.
 nitrite reductase (NAP)(PJH), cDNA nucleotide sequence, nitrogen induction, *Zea mays* 7344.
 nitrogen fixation fix operon, nucleotide sequence, amino acid sequence predictions, *Rhizobium meliloti* 9380.
 nitrogen fixation nif gene, gene regulation, *Azorhizobium caulinodans*, in vitro, in vivo, nodules, *Sesbania rostrata* 8740.
 nitrogen fixation nif gene, hybridization analysis, DNA probes, *Cyanophyta* 4347.
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 nod gene cloning, identification, *Sesbania rostrata* 867.
 nod gene, fix gene, gene expression, gene regulation, *Rhizobium meliloti*, roots exudates effects on, *Medicago* 5683.
 nod gene, nodulation, gene expression, gene regulation, roots flavonoids, nod promoter, nodD gene gene products, *Rhizobium leguminosarum* 5703.
 nod gene, nodulation, gene regulation, role nodD gene gene products binding DNA, *Rhizobium meliloti* 5961.
 nod gene, nodulation, soil isolates, conjugation, pPN1 plasmid role, *Rhizobium leguminosarum* trifolii 9738.
 nod gene, transposon Tn5 mutagenesis, insertion, *Rhizobium meliloti* 1685.
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 nodABC gene, promoters, nodulation, *Rhizobium meliloti* 10791.
 nodC gene gene regulation, RH-42 gene, RH-44 gene, *Pisum sativum* root hairs, mutants, *Rhizobium leguminosarum* 7646.
 nodD gene alleles, nodulation, *Rhizobium meliloti* 5635.
 nodD gene, loci, mutation, plasmid pRL1J1, *Rhizobium leguminosarum* 9768.
 nodD gene, promoters, autoregulation gene expression, *Rhizobium meliloti*, *Rhizobium trifolii* 10793.
 nodD gene, proteins binding, promoters, flavone induction, *Rhizobium meliloti* 5024.
 nodE gene, nodD gene, nodulation, *Rhizobium leguminosarum*, *Vicia hirsuta*, *Pisum sativum* 10792.
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 nodulin, induction, Glycine max, *Bradyrhizobium japonicum* 8791.
 nodulin nod gene, *Rhizobium meliloti*, gene expression, auxins transport inhibitors, *Medicago sativa* 5636.
 nodX gene, nucleotide sequence, effects on nodulation, *Rhizobium leguminosarum* viciae 5280.
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 non-structural protein NS2, double-stranded RNA, nucleotide sequence, bluetongue virus 6077.
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 napaline catabolism, hybridization analysis, *Pseudomonas aureofaciens* 9390.
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 nos gene, regulatory elements identification, promoters, cells 8239.
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 nos-neo gene, plasmids transfection, electroporation, protoplasts, *Nicotiana tabacum* 5811.
 nosiheptide, antibiotic resistance, cloning, *Streptomyces lividans*, *Streptomyces actuosus* 4814.
 nosZ gene, nitrous oxide reductase, cloning, gene expression, nucleotide sequence, *Pseudomonas stutzeri* 8902.
 Notch gene, gene mapping, determination limitations bands polytene chromosomes, *Drosophila melanogaster* 4561.
 nousreothricin resistance nat gene, gene expression, *Streptomyces noursei* 6696.
 NP gene, nucleotide sequence, influenza virus 3142.
 nprM gene, neutral proteinase, cloning, nucleotide sequence, *Bacillus stearothermophilus* 9835.
 NPT-II gene, transfection embryos chickens, kanamycin kinase, Rous sarcoma virus 5850.
 nrB gene, homologous regions, introns, eukaryotes, phase T4 6352.
 NS gene, nucleotide sequence, influenza virus 3142.
 NS1 protein, nucleotide sequence, RNA genomes, bluetongue virus 6080.
 ntrA gene, nucleotide sequence, rpoN gene, *Azotobacter vinelandii* 3441.
 ntrC gene, gene regulation, nifA gene gene expression, nitrogen fixation, *Azorhizobium caulinodans* 5687.
 ntrC gene genetic control, glutamate-ammonia ligase activity, *Agrobacterium tumefaciens* 4621.
 NUC1 gene, mitochondria nuclease, nucleotide sequence 7540.
 nuc2 gene, nucleotide sequence, *Schizosaccharomyces pombe* 10686.
 nuclear factor 1 like proteins, cDNA nucleotide sequence, hamsters 7338.
 nuclear pores glycoproteins, cDNA nucleotide sequence, liver, rats 10249.
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 nucleol pores proteins, cDNA nucleotide sequence, liver, rats 3505.
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 nucleolin, cDNA nucleotide sequence, gene expression development, *Xenopus laevis* 10632.
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 nucleoskeletal proteins, requirements, life cycle, *Saccharomyces cerevisiae* 5792.
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 nucleotide sequence, data banks, computer programs 472.
 nucleotide sequence, formation, pseudogenes, *Mammalia*, mice 10485.
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 nucleotide sequence, hybridization analysis, herpesvirus (bovine) 2, homology herpes simplex virus 1 580.
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 nucleotide sequence, lymphocytes T, antigens receptors, δ chain, man 1400.
 nucleotide sequence, mutation, matrix, proteins, measles virus, subacute sclerosing panophthalmitis virus 5118.
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 Nul gene, phase λ , *Escherichia coli* hrmA gene, gyrB gene mutation, phage λ growth 8710.
 nul gene, phase HK022, phase λ , transcription termination termination factors, *Escherichia coli* 3110.
 NusA protein, binding, transcription termination, in vitro, *Escherichia coli* 9096.
 NusA protein, DNA-directed RNA polymerase, nucleotide sequence influences, pausing enhancement, transcription termination, elongation, *Escherichia coli* 10933.
 NusA protein, transcription termination, in vitro, *Escherichia coli* 9095.
 obg gene, spoB gene, gene expression, nucleotide sequence, guanine nucleotide-binding protein, *Bacillus subtilis* 9375.
 ocs gene, activator sequence structure, DNA, octopine synthase, *Agrobacterium tumefaciens* 5066.
 oct-1 gene, pit-1 gene, unc-86 gene, POU domain, nucleotide sequence, *Caenorhabditis elegans* 4374.
 Oct-1 protein, cDNA nucleotide sequence, homeobox POU box domains, man 3355.
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 OE1 protein, OE3 protein, nucleotide sequence, photosystem II, *Chlamydomonas reinhardtii* 10315.
 OFR1 gene, plasmid pGKL1, *Kluyveromyces fragilis* 6821.
 ogr gene, site-directed mutagenesis, phage P2 7773.
 Oll gene, Osl1 gene, DNA, nucleotide sequence, mitochondria, *Saccharomyces cerevisiae* 8234.
 olt gene, restriction endonuclease mapping, mitochondria DNA, flocculation role, *Saccharomyces cerevisiae* 5295.
 oltC3 gene, H⁺-transporting ATP synthase, oligomycin resistance, nucleotide sequence, genetic markers, transformation, *Aspergillus nidulans* 245.
 oligo-1-6-glucosidase, cDNA nucleotide sequence, *jejunum*, man 2586.
 oligo-1-6-glucosidase, cloning, gene expression, pUC19 plasmid, *Escherichia coli*, *Bacillus thermocellus* 7828.
 (2'-5') oligoadenylate synthase, promoters, interferon responsiveness, cDNA nucleotide sequence, mice, man 3562.
 oligonucleotides synthesis, copper metallothein, *Neurospora crassa*, gene expression, *Escherichia coli* 4034.
 omp1 gene, gene regulation, *Chlamydia trachomatis* 1650.
 omp gene, bla gene, transcripts, specificity cleavage sites, ribonuclease, *Escherichia coli* 7187.
 ompA gene mRNA, stability regulation, endonuclease cleavage, *Escherichia coli* 3153.
 ompA gene, mRNA stability, translation efficiency, *Escherichia coli* 5036.
 ompA gene, use, subtilisin E production, secretion vectors, *Escherichia coli* 4759.
 ompA gene+plasmid pN secretion cloning vectors, signal peptides modification, *Escherichia coli* 3628.
 ompB gene, gene expression, porins regions, outer membranes, *Salmonella typhimurium* 9689.
 ompC gene, gene expression, promoters activation, ompR gene proteins regulation, *Escherichia coli* 9688.
 ompC gene, OmpC porin, pore domain, mutants, nucleotide sequence, ompC gene, *Escherichia coli* 5263.
 ompC gene ompF gene fusion, proteins characterization, *Escherichia coli* 801.
 ompC gene, outer membranes proteins, isolation, characterization, *Salmonella typhimurium* 3859.
 ompC gene-lacZ gene, gene fusion, *Salmonella typhimurium*, phage λ cloning vectors 9778.
 ompF gene, DNA binding, transcription activation, ompF gene, envZ gene mutation, *Escherichia coli* 9985.
 ompF gene promoters, site-directed mutagenesis, *Escherichia coli* 7778.
 ompR gene, nucleotide sequence, mutation, role, porins, osmoregulation, *Escherichia coli* 454.
 ompR gene, porins gene expression regulation, *Escherichia coli* 1790.
 ompR gene proteins regulation, ompC gene, gene expression, promoters activation, *Escherichia coli* 9688.
 ompT gene, gene products identification, proteinase, outer membranes, *Escherichia coli* 4301.
 onco genes, A-myb gene, B-myb gene, cDNA nucleotide sequence, determination, man 10705.
 onco genes, abl gene, nucleotide sequence, protein-tyrosine kinase activity, *Drosophila melanogaster* 241.
 onco genes, antigen T, SV40, induction tumorigenesis, heart, bone, transgenic mice 821.
 onco genes, B-myb gene, cDNA nucleotide sequence, chromosome 3, rats 3381.
 onco genes, BCR/ABL gene, gene expression, Philadelphia chromosome translocation, lymphoid cells, myeloid cells, man 3761.
 onco genes, bcl-2 gene, transfection NIH3T3 cells, transformation, man 4822.
 onco genes, bcl-2 gene, translocations, immunoglobulin λ gene light chains translocations, chronic lymphatic leukemia, man 7458.
 onco genes, bcr gene+abl gene gene fusion detection, polymerase chain reaction, bcr gene, man 10191.
 onco genes, BCR gene+ABL gene gene fusion, expression, acute lymphatic leukemia, man 336.
 onco genes, bcr gene abl gene gene fusion, polymerase chain reaction, acute lymphatic leukemia 8476.
 onco genes, BCR gene, chromosome 22, linkage maps, man 10679.
 onco genes, BCR gene, restriction fragment length polymorphism, man 3396.
 onco genes, bcl-1 gene, lgl-5 gene, int-2 gene, gene mapping, man 5417.
 onco genes, c-abl gene, cDNA nucleotide sequence, *Calliphora erythrocephala* 1380.
 onco genes, c-abl gene, methylation, detection, spleen rats 2786.
 onco genes, c-abl gene, nucleotide sequence, promoters, alternative splicing, homology, mice 347.
 onco genes, c-abl gene, transcription, carcinoma embryos, adults, mice 10097.
 onco genes, c-erbA gene, cDNA nucleotide sequence, thyroid hormones receptors, brain, rats 223.
 onco genes, c-erbA gene, cloning, gene expression, erythroid cells, chickens 3760.
 onco genes, c-erbA gene, homology Rev-ErbaA, thyroid hormones receptors, nucleotide sequence, rats 8474.
 onco genes, c-erbA gene, restriction fragment length polymorphism, chromosome 3, man 10446.
 onco genes, c-erbA gene, transcripts, alternative splicing, gene products inhibition thyroxine activity, rats 6146.
 onco genes, c-erbB gene, activation proviruses insertion, generation alternative splicing transcripts, avian leukosis virus 5176.
 onco genes, c-erbB gene, gene expression, 9,10-dimethyl-1,2-benzanthracene carcinogenesis induction, oral cavity epithelium, hamsters 6119.
 onco genes, c-erbB-2 gene, gene expression, inflammation, breast carcinoma, man 6117.
 onco genes, c-ets-1 gene proteins, chromatin, lymphoid cells, chickens, mice 10953.
 onco genes, c-ets-2 gene, cDNA nucleotide sequence, chickens 4498.
 onco genes, c-fgr gene, mRNA expression structure, Epstein-Barr virus Burkitt's lymphoma cell lines 9704.
 onco genes, c-fms gene, exons, differential transcription, placenta trophoblasts, monocytes, man 10777.
 onco genes, c-fms gene, phorbol 12-myristate 13-acetate diester induction HL-60 cells differentiation, effects on gene expression, man 10632.
 onco genes, c-fms gene, transfection c-fms gene colony-stimulating factor 1 3T3 cells, identification membranes binding colony-stimulating factor 1, man 903.
 onco genes, c-fos, c-myc, induction pathway protein kinase C, mRNA accumulation, astrocytoma cells, man 93.
 onco genes, c-fos, c-myc, c-jun gene heterodimers, DNA binding factors, man 8978.
 onco genes, c-fos gene, antisense mRNA, gene expression, transformed cells, mice 5643.

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onco genes, c-fos gene, antisense RNA blockage interferon induction c-fos gene, down-regulation c-myc gene expression, F9 cells, man 1614.
 onco genes, c-fos gene, antisense RNA, restoration contact inhibition transformed cells, v-sis gene 1187.
 onco genes, c-fos gene, binding cell surface immunoglobulins induction Egr-1 gene, lymphocytes B, mice 7663.
 onco genes, c-fos gene, c-jun gene, dissociation nicotine induction, PC12 cells 8770.
 onco genes, c-fos gene, c-jun gene, gene products effects on promoters c-myc gene man 8995.
 onco genes, c-fos gene, c-myc gene, phorbol 12-myristate 13-acetate diester ionophore A23187 effects on gene expression, lymphocytes, man 197.
 onco genes, c-fos gene, c-myc gene, platelet-derived growth factor induction, v-src gene p21 gene products inhibition, fibroblasts, mice 5685.
 onco genes, c-fos gene, dependent pathways, growth factors regulation transgenes expression, c-fos gene transfection NIH 3T3 cells, man 5689.
 onco genes, c-fos gene, elevation expression heat shock, HeLa cells, man 694.
 onco genes, c-fos gene, enhancers, binding proteins, purification, HeLa cells 1980.
 onco genes, c-fos gene, enkephalins, vasoactive intestinal peptide, tyrosine 3-monooxygenase, similarity enhancers, cyclic AMP regulation, binding transcription factors, man 5680.
 onco genes, c-fos gene, expression requirements phorbol 12-myristate 13-acetate diester induction collagenase genes expression, NIH 3T3 cells 1607.
 onco genes, c-fos gene, gene expression, β -adrenergic receptors regulation, epithelium, rats 4701.
 onco genes, c-fos gene, gene expression, cyclic AMP induction, mastocytoma cells, mice 6116.
 onco genes, c-fos gene, gene expression, DNA biosynthesis, 3T3 cells, stimulation cytomaglovirus (murine) early region gene products 124.
 onco genes, c-fos gene, gene expression, indomethacin effects on, fibroblasts, mice 10829.
 onco genes, c-fos gene gene expression, mRNA levels, growth hormone stimulation role protein kinase C activation, preadipocytes 6121.
 onco genes, c-fos gene, gene expression, N-nitrosodimethylamine induction kidney tumors, rats 6709.
 onco genes, c-fos gene, gene expression, RNA regulation, mice 5648.
 onco genes, c-fos gene, gene products association c-jun gene products, man 1999.
 onco genes, c-fos gene, gene products, domains interaction DNA, role AP1 protein c-jun gene, transcription factors 7993.
 onco genes, c-fos gene, gene products interaction AP1 protein, induction genes, transcription factors, F9 cells 7993.
 onco genes, c-fos gene, gene regulation, relationship zinc finger protein Krox-20 gene regulation, mice 6730.
 onco genes, c-fos gene, identification purification proteins binding serum response elements, HeLa cells 743.
 onco genes, c-fos gene, induction, insulin, phorbol 12-myristate 13-acetate diester, hamsters 7716.
 onco genes, c-fos gene, induction, requirements upstream enhancers, calcium, growth factors, PC12 cells, rats 5716.
 onco genes, c-fos gene mRNA levels, fibroblasts, man 5079.
 onco genes, c-fos gene mRNA levels, fibroblasts, rats 8080.
 onco genes, c-fos gene, mRNA levels, protein kinase activity, fibroblasts, mice 5079.
 onco genes, c-fos gene, nerve growth factor induction, role SRE promoter, PC12 cells, rats 5682.
 onco genes, c-fos gene, no induction expression platelet-derived growth factor, NIH 3T3 cells expression EJ-ras gene 5701.
 onco genes, c-fos gene, promoters, binding factors, chickens 7686.
 onco genes, c-fos gene, promoters, binding serum response factor, serum response factor gene cDNA nucleotide sequence, transcription factors, man 10719.
 onco genes, c-fos gene, promoters, cyclic AMP induction expression, characterization cyclic AMP responsive elements, man 3750.
 onco genes, c-fos gene, promoters, cyclic AMP, transcription induction, sequence requirements, mice 7677.
 onco genes, c-fos gene, promoters effects on, mRNA, adenovirus (human) 2, early region 6132.
 onco genes, c-fos gene, promoters, transcription factors interaction, DNA binding, man 7985.
 onco genes, c-fos gene, protein AP-1 binding sites, mediation, c-fos gene expression induction, phorbol 12-myristate 13-acetate diester, epidermal growth factor, HeLa cells, man 10776.
 onco genes, c-fos gene, regulation expression, transcripts stability, monocytes, man 698.
 onco genes, c-fos gene, RNA biosynthesis down-regulation, serum stimulation C-terminus mutants blocking 6718.
 onco genes, c-fos gene, serum response element, factors affecting, protein kinase C, cyclic AMP, fibroblasts 1618.
 onco genes, c-fos gene, serum response element, phosphoproteins binding, transcription factors, mice 10991.
 onco genes, c-fos gene, transcripts degradation, mRNA, fibroblasts, man 5189.
 onco genes, c-fos gene, transcripts, role 3' nucleotide sequence poly-A removal, degradation, HeLa cells, man 5184.
 onco genes, c-fos gene, activation, bovine leukemia virus trans-activator, cellular transcription factors 6381.
 onco genes, c-fos, hemoglobin β chain, transcripts, factors affecting stability, man 4180.
 onco genes, c-H-ras gene replication, adducts formation, carcinogens effects on man 10220.
 onco genes, c-H-ras gene, detection mutation single cells, polymerase chain reaction, restriction fragment length polymorphism, mice 7518.
 onco genes, c-H-ras gene, detection mutations, polymerase chain reaction restriction fragment length polymorphism, carcinoma stomach, man 7465.
 onco genes, c-H-ras gene, gene expression, 9,10-dimethyl-1,2-benzanthracene carcinogenesis induction, oral cavity epithelium, hamsters 6119.
 onco genes, c-H-ras gene, NIH 3T3 cells, ornithine decarboxylase, enzymatic activity, man 3374.
 onco genes, c-H-ras gene, promoters, cDNA nucleotide sequence, mice 4483.
 onco genes, c-H-ras gene, transformation activity, gene expression, introns point mutation, carcinoma, urinary bladder, man 647.
 onco genes, c-H-ras gene, v-src gene, activation PEAT protein, not v-myc gene v-mos gene c-fos gene antigen T, F9 cells 8992.
 onco genes, c-jun gene, c-fos gene, gene products effects on promoters c-myc gene man 8995.

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oncogenes, c-jun gene, c-fos gene, nicotine induction, dissociation, FC12 cells 8770.

oncogenes, c-jun gene, cDNA nucleotide sequence, blood serum, phorbol 12-myristate 13-acetate diester induction gene expression, mice 6317

oncogenes, c-jun gene, epidermal growth factor stimulation c-jun gene oncogenes, fibroblasts rats 1611.

oncogenes, c-jun gene, expression cell cycle phases transitions, fibroblasts, mice 1613

oncogenes, c-jun gene, gene products association c-fos gene gene products, man 1999.

oncogenes, jun gene, gene products interaction c-fos gene gene products, role c-fos gene, gene products domains interaction DNA, transcription factors, AP1 protein 7993.

oncogenes, c-Jun gene, gene products interaction fos gene gene products, role leucine zipper, AP-1 protein, transcription factors 8893

oncogenes, c-junD gene, cDNA nucleotide sequence, mice 10346

oncogenes, c-K-ras gene, nucleotide sequence, promoters, man 348.

oncogenes, c-Ki-ras gene, base pairs substitution, C3H/10T 1/2 cells, methylcholanthrene transformed cells, tumorigenicity, mice 6313.

oncogenes, c-kit gene, cDNA nucleotide sequence, comparison v-kit gene, mice, gene mapping man 4465.

oncogenes, c-mil gene, v-mil gene, amino acid sequence, homology, proteins domains, chickens 339.

oncogenes, c-mos gene, enhancers+nuclear factor 1 like proteins interaction, rats 10582.

oncogenes, c-mos gene, overexpression, role defects eye lens differentiation, transgenic mice 3864.

oncogenes, c-mos gene, restriction fragment length polymorphism, chromosomes, fibroblasts, cancer patients 7292.

oncogenes, c-mos gene, role gene products oocytes maturation, meiosis, oogenesis, cDNA nucleotide sequence, *Xenopus laevis* 4464.

oncogenes, c-myb gene, activation, c-terminus mutations, mice 10912.

oncogenes, c-myb gene, c-myc gene, regulation expression, premature arrest transcription, transcripts turnover, erythroleukemia cells induction differentiation, mice 4687.

oncogenes, c-myb gene, exons, transcription initiation sites, mapping, chickens 6315.

oncogenes, c-myb gene homology, *Drosophila melanogaster* cDNA nucleotide sequence conservation 7425.

oncogenes, c-myb gene, mutations, transfection myeloid cells, mice 10911.

oncogenes, c-myb gene nucleotide sequence, transcription, chickens 10640.

oncogenes, c-myb gene products, proliferation inhibition, cell lines, man 7973.

oncogenes, c-myb gene, regulation expression, double negative lymphocytes T, Bb1pr mice 735.

oncogenes, c-myb gene transcripts levels decrease, differentiation, cells, mice 10769.

oncogenes, c-myb, regulation expression, MRL-1pr/1pr mice 4632.

oncogenes, c-myc gene 3'-terminus, nucleotide sequence, inverted repeat, Burkitt's lymphoma, man 5316.

oncogenes, c-myc gene, antisense c-myc gene transfection Friend erythroleukemia cells, inhibition cell cycle progression, mice 4824.

oncogenes, c-myc gene, antisense RNA, induction differentiation F9 cells, mice 1205.

oncogenes, c-myc gene, c-fos gene, platelet-derived growth factor induction, v-ras gene p21 gene products inhibition, fibroblasts, mice 5685.

oncogenes, c-myc gene, c-myc gene, regulation expression, premature arrest transcription, transcripts turnover, erythroleukemia cells induction differentiation, mice 4687.

oncogenes, c-myc gene, cDNA restriction fragment length polymorphism, man 10603.

oncogenes, c-myc gene, enhancers, similarity SV40 enhancers, mice 7517.

oncogenes, c-myc gene, disruption translocation, myeloma, man 442.

oncogenes, c-myc gene, DNA biosynthesis, replication polarity, Burkitt's lymphoma cell lines 6632.

oncogenes, c-myc gene, DNA probes, specificity binding sites, repression transcription, man 111.

oncogenes, c-myc gene, DNA topography, chromatin domains, man 9532.

oncogenes, c-myc gene, down-regulation expression, antisense RNA c-fos gene, blockage interferon induction c-fos gene, F9 cells, man 1614.

oncogenes, c-myc gene, effects on m1 gene m2 gene expression, mice 5691.

oncogenes, c-myc gene, electroporation, DNA biosynthesis potentiation, epidermal growth factor, hepatocytes, rats 7602.

oncogenes, c-myc gene, estrogens, induction, post-transcription modulation, expression, breast cancer cells, man 686.

oncogenes, c-myc gene exons, cloning, *Escherichia coli* gene expression, man 8890.

oncogenes, c-myc gene, exons RNA, proteins binding, HeLa cells, MEL cells 10963.

oncogenes, c-myc gene, expression, hemodynamics effects on cardiac muscle hypertrophy, mRNA accumulation, rats 728.

oncogenes, c-myc gene, gene expression, cell cycle, mRNA+proteins levels, *Xenopus laevis* 10621.

oncogenes, c-myc gene 10621.

oncogenes, c-myc gene gene expression, differentiation, retinoic acid effects on, embryos carcinoma, mice 6118.

oncogenes, c-myc gene, gene expression, heat shock, cells, mice 10803.

oncogenes, c-myc gene, gene expression, indomethacin effects on, fibroblasts, mice 10829.

oncogenes, c-myc gene, gene expression, RNA levels, in situ hybridization, embryos development, oogenesis, *Xenopus laevis* 6120.

oncogenes, c-myc gene, gene expression, RNA regulation, mice 5648.

oncogenes, c-myc gene, gene mapping, X chromosome sex linkage, man 8518.

oncogenes, c-myc gene, homology, MyoD1 genes, myogenesis regulatory genes, muscles differentiation activation, BC3H1 cells, mice 9278.

oncogenes, c-myc gene, induction genes expression stimulation entry S phase, growth factors deprivation 3T3 cells, mice 618.

oncogenes, c-myc gene, methylation cytosine, gene expression, tissues, chickens 3566.

oncogenes, c-myc gene, methylation, gene expression, hepatoma, rats 7696.

oncogenes, c-myc gene mRNA, differential stability, cell-free system 3135.

oncogenes, c-myc gene, mRNA, expression, neuroblastoma cells differentiation, man 5144.

oncogenes, c-myc gene, mRNA, expression, neuroblastoma cells differentiation, man 5151.

oncogenes, c-myc gene, mRNA levels, cell cycle, tumor cells, mice 5080.

oncogenes, c-myc gene, mRNA levels, protein kinase activity, fibroblasts, mice 8879.

oncogenes, c-myc gene, mRNA, mice, protein biosynthesis, development regulation, *Xenopus laevis* 6019.

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oncogenes, c-myc gene, mutants epidermal growth factor receptors inability stimulation expression, tyrosine kinase defects, man 714.

oncogenes, c-myc gene, point mutation, Burkitt's lymphoma, man 322

oncogenes, c-myc gene, promoters, c-fos gene c-jun gene gene products effects on, man 8995.

oncogenes, c-myc gene, promoters effects on, mRNA, adenovirus (human) 2, early region 6132.

oncogenes, c-myc gene proteins production, DNA binding, man 4971.

oncogenes, c-myc gene, rearrangements, immunoglobulins genes c-myc gene, benign monoclonal cryoglobulinemia, man 1334.

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3. Frequency of Issue Monthly					3A. No. of Issues Published Annually 12					3B. Annual Subscription Price Domestic Overseas \$495.00 \$555.00	
4. Complete Mailing Address of Known Office of Publication (Street, City, County, State and ZIP+4 Code) (Not printers) Cambridge Scientific Abstracts, 7200 Wisconsin Avenue, Suite 601, Bethesda, Montgomery Cty. Maryland 20814											
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